

US-PAT-NO: 5728457

DOCUMENT-IDENTIFIER: US 5728457 A

TITLE: Porous polymeric material with gradients

DATE-ISSUED: March 17, 1998

US-CL-CURRENT: 428/310.5; 210/198.2 ; 210/502.1 ; 210/635 ;
210/656

APPL-NO: 08/ 661838

DATE FILED: June 11, 1996

PARENT-CASE:

This application is a continuation of application Ser. No.
08/316,523 filed on
Sep. 30, 1994 now abandoned.

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Detailed Description Text - DETX:

After polymerization is complete, the solid macroporous polymer plug is washed with a suitable solvent and the porogen in the polymer is dissolved. Suitable solvents include methanol, ethanol, tetrahydrofuran, dimethylsulfoxide, dimethylformamide, and toluene. The washing process may be done in stages. For example, the washing process may involve washing with a solvent, then with water and then a solvent again, or by continuous washing with a solvent. The washing step is preferably carried out by pumping the solvent through the tube filled with the macroporous polymer.